Curs of . Notice of . Notice
$$F \cap R$$

$$H_{m}(z) = H_{mn}(z) = \frac{1}{1} + \alpha_{mn}[z] z^{2} + \alpha_{mn}[z] z^{2} + \dots + \alpha_{mn}[m] z^{2}$$

$$h[n] = \begin{cases} 1, & \alpha_{mn}[z], & \alpha_{mn}[z], & \alpha_{mn}[z] \end{cases} = \alpha_{mn}[z] - x[n-r]$$

$$\times [m] = x[n] + h[n] = \sum_{k=0}^{\infty} h[k] \cdot x[n-k] = \sum_{k=0}^{\infty} \alpha_{mn}[k] - x[n-r]$$

$$= x[n] + \sum_{k=1}^{\infty} \alpha_{mn}[z] \cdot x[n-r]$$

$$y[n] = x[n] + \alpha_{mn}[z] \cdot x[n-r]$$

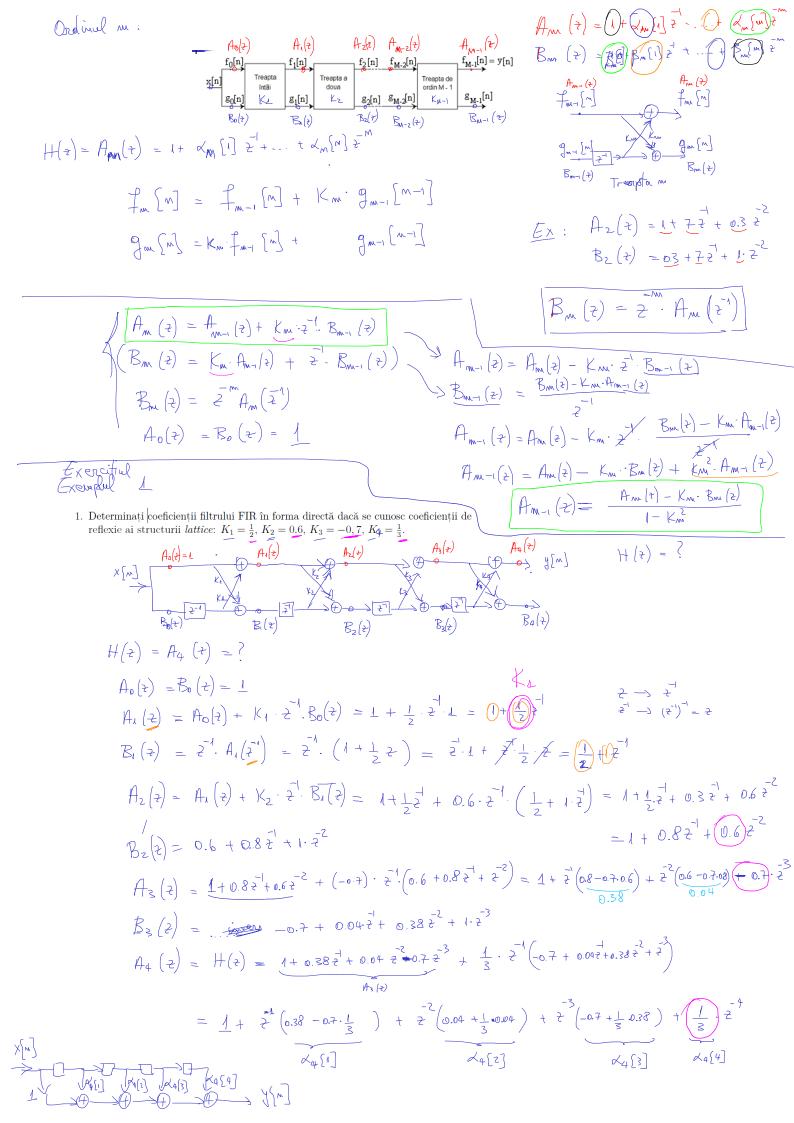
$$y[n] = x[n] + \alpha_{mn}[z] \cdot x[n-r]$$

$$y[n] = x[n] + x[n] + x[n] = y[n] =$$

Un sitem de ord 1 cm H(7) = A,(2) = 1 + cha. 5 Le implem ou a transta lattice on $K_L = cava$ $K_L = X_1[1]$

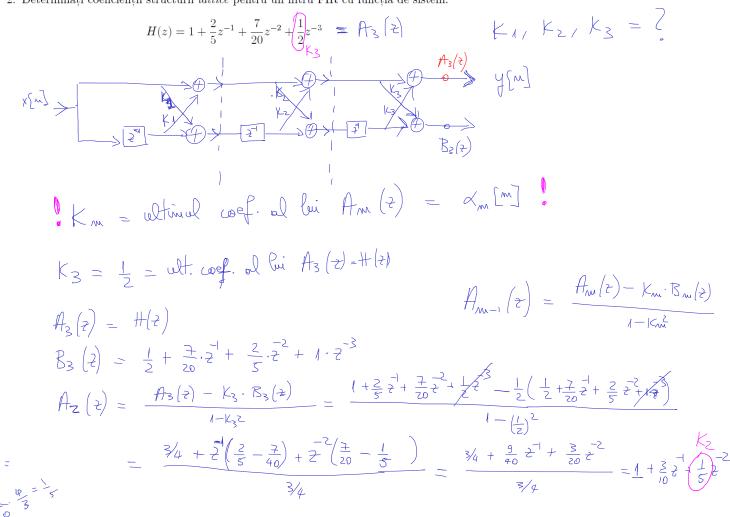
$$\frac{\text{Ordin } m=2}{\text{H(2)}=\text{A}_{2}(z)} = 1 + \alpha_{2}[1] \cdot z^{2} + \alpha_{2}[2] \cdot z^{2} = \sum_{i=1}^{n} y_{i} m_{i}^{2} + \sum_{i=1}^{n} y_{i}^{2} m_{i}^$$

Un site of ord 2 or $H(z) = A_2(z) = 1 + \alpha_2[1] z^{+} + \alpha_2[2] z^{-2}$ se implem . cu 2 trapte l'attice, un $K_2 = Z_2[2]$ $K_1(1+K_2) = \angle 2[1] => K_1 = \angle 2[1]$



Exercitiul 2

2. Determinați coeficienții structurii lattice pentru un filtru FIR cu funcția de sistem:



$$B_{z}(z) = \frac{1}{5} + \frac{3}{20} \cdot \frac{1}{1 \cdot 2} + \frac{3}{5} \cdot \frac{1}{1 \cdot 2} = \frac{24/25}{10 - \frac{3}{50}} = 1 + \frac{1}{10} \cdot \frac{1}{2}$$

$$1 - \left(\frac{1}{5}\right)^{2} = \frac{1}{10} \cdot \frac{1}{10} \cdot \frac{3}{10} = \frac{1}{10} = \frac{1$$

$$\frac{18}{50} \cdot \frac{28}{24} = \frac{1}{4}$$